

Table 6-4
Summary of Soil Sample Analytical Results
SWMU 26

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	HCF-01 4 - 6 03/28/90	HCF-01 19 - 20 03/28/90	HCF-01 30 03/28/90	HCF-01 35 03/28/90	HCF-01 40 03/28/90	HCF-01 45 03/28/90	HCF-01 60 - 70 03/28/90	142B1 15 06/09/92	142B1 19 06/09/92
Cymene	99-87-6	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Dibromomethane (Methylene Dibromide)	74-95-3	782 {NMED ResSoil09}	1.55	mg/kg	--	--	--	--	--	--	--	<0.02 [<0.02]	<0.02
Dichloromethane (Methylene Chloride)	75-09-2	199 {NMED ResSoil09}	0.215	mg/kg	--	<1.25	--	--	--	--	--	<0.005 [<0.005]	<0.005
Ethanol	64-17-5	--	--	mg/kg	--	--	--	--	--	--	--	<1 [<1]	<1
Ethyl Methacrylate	97-63-2	7,040 {NMED ResSoil09}	13.4	mg/kg	--	--	--	--	--	--	--	<0.02 [<0.02]	<0.02
Ethylbenzene	100-41-4	69.7 {NMED ResSoil09}	0.291	mg/kg	--	--	--	--	--	--	--	0.018 [<0.005]	0.012
Iodomethane	74-88-4	--	--	mg/kg	--	--	--	--	--	--	--	<0.02 [<0.02]	<0.02
Isopropyl Alcohol (Manufacturing-Strong Acid)	67-63-0	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	98-82-8	3,210 {NMED ResSoil09}	19.7	mg/kg	--	--	--	--	--	--	--	--	--
m,p-Xylene (m-Xylene)	108-38-3	8,290 {NMED ResSoil09}	24.5	mg/kg	--	--	--	--	--	--	--	--	--
Methyl N-Butyl Ketone	591-78-6	--	--	mg/kg	--	--	--	--	--	--	--	<0.05 [<0.05]	<0.05
Methylbenzene (Toluene)	108-88-3	5,570 {NMED ResSoil09}	27.7	mg/kg	--	--	--	--	--	--	--	<0.005 [<0.005]	<0.005
Methyl-tert-butyl ether	1634-04-4	862 {NMED ResSoil09}	0.459	mg/kg	--	--	--	--	--	--	--	--	--
n-Butylbenzene	104-51-8	--	--	mg/kg	--	--	--	--	--	--	--	--	--
n-Propylbenzene	103-65-1	--	--	mg/kg	--	--	--	--	--	--	--	--	--
o-Xylene	95-47-6	9,550 {NMED ResSoil09}	24.7	mg/kg	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	135-9-88	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	100-42-5	8,970 {NMED ResSoil09}	31.2	mg/kg	--	--	--	--	--	--	--	<0.005 [<0.005]	<0.005
Tert-Butyl Alcohol	75-65-0	--	--	mg/kg	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	98-06-6	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Tetrachloroethene	127-18-4	6.99 {NMED ResSoil09}	0.00898	mg/kg	--	--	--	--	--	--	--	<0.005 [<0.005]	<0.005
Trans-1,2-Dichloroethene	156-60-5	273 {NMED ResSoil09}	0.603	mg/kg	--	<0.625	--	--	--	--	--	<0.005 [<0.005]	<0.005
Trans-1,3-Dichloropropene	10061-02-6	--	--	mg/kg	--	<0.625	--	--	--	--	--	<0.005 [<0.005]	<0.005
Trans-1,4-Dichlorobutene	110-57-6	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Tribromomethane (Bromoform)	75-25-2	616 {NMED ResSoil09}	12.1	mg/kg	--	<0.625	--	--	--	--	--	--	--
Trichloroethylene	79-01-6	45.7 {NMED ResSoil09}	0.106	mg/kg	--	--	--	--	--	--	--	<0.005 [<0.005]	<0.005
Vinyl Acetate	108-05-4	3,650 {NMED ResSoil09}	1.53	mg/kg	--	--	--	--	--	--	--	<0.01 [<0.01]	<0.01
Vinyl Chloride	75-01-4	0.865 {NMED ResSoil09}	0.00576	mg/kg	--	<1.25	--	--	--	--	--	<0.01 [<0.01]	<0.01
Xylenes (total xylenes)	1330-20-7	1,090 {NMED ResSoil09}	3.52	mg/kg	--	--	--	--	--	--	--	<0.005 [<0.005]	0.017

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Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	142B1 23 06/09/92	142B1 27 06/09/92	142B1 33 06/09/92	142B1 37 06/09/92	CFW-04 1 04/29/93	CFW-04 2 04/29/93	CFW-04 3 04/29/93	CFW-04 4 04/29/93	CFW-04 5 04/29/93
Cymene	99-87-6	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Dibromomethane (Methylene Dibromide)	74-95-3	782 {NMED ResSoil09}	1.55	mg/kg	<0.02	<0.02	<0.02	<0.02	--	--	--	--	--
Dichloromethane (Methylene Chloride)	75-09-2	199 {NMED ResSoil09}	0.215	mg/kg	<0.005	<0.005	<0.005	<0.05	<0.01	--	<0.01	--	<0.01
Ethanol	64-17-5	--	--	mg/kg	<1	<1	<1	<1	--	--	--	--	--
Ethyl Methacrylate	97-63-2	7,040 {NMED ResSoil09}	13.4	mg/kg	<0.02	<0.02	<0.02	<0.02	--	--	--	--	--
Ethylbenzene	100-41-4	69.7 {NMED ResSoil09}	0.291	mg/kg	<0.005	<0.005	<0.005	1.1	<0.005	--	<0.005	--	<0.005
Iodomethane	74-88-4	--	--	mg/kg	<0.02	<0.02	<0.02	<0.02	--	--	--	--	--
Isopropyl Alcohol (Manufacturing-Strong Acid)	67-63-0	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	98-82-8	3,210 {NMED ResSoil09}	19.7	mg/kg	--	--	--	--	--	--	--	--	--
m,p-Xylene (m-Xylene)	108-38-3	8,290 {NMED ResSoil09}	24.5	mg/kg	--	--	--	--	--	--	--	--	--
Methyl N-Butyl Ketone	591-78-6	--	--	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	--	<0.05	--	<0.05
Methylbenzene (Toluene)	108-88-3	5,570 {NMED ResSoil09}	27.7	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	--	<0.005
Methyl-tert-butyl ether	1634-04-4	862 {NMED ResSoil09}	0.459	mg/kg	--	--	--	--	--	--	--	--	--
n-Butylbenzene	104-51-8	--	--	mg/kg	--	--	--	--	--	--	--	--	--
n-Propylbenzene	103-65-1	--	--	mg/kg	--	--	--	--	--	--	--	--	--
o-Xylene	95-47-6	9,550 {NMED ResSoil09}	24.7	mg/kg	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	135-9-88	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	100-42-5	8,970 {NMED ResSoil09}	31.2	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	--	<0.005
Tert-Butyl Alcohol	75-65-0	--	--	mg/kg	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	98-06-6	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Tetrachloroethene	127-18-4	6.99 {NMED ResSoil09}	0.00898	mg/kg	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
Trans-1,2-Dichloroethene	156-60-5	273 {NMED ResSoil09}	0.603	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	--	<0.005
Trans-1,3-Dichloropropene	10061-02-6	--	--	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	--	<0.005
Trans-1,4-Dichlorobutene	110-57-6	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Tribromomethane (Bromoform)	75-25-2	616 {NMED ResSoil09}	12.1	mg/kg	--	--	--	--	<0.005	--	<0.005	--	<0.005
Trichloroethylene	79-01-6	45.7 {NMED ResSoil09}	0.106	mg/kg	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
Vinyl Acetate	108-05-4	3,650 {NMED ResSoil09}	1.53	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	--	<0.01
Vinyl Chloride	75-01-4	0.865 {NMED ResSoil09}	0.00576	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	--	<0.01
Xylenes (total xylenes)	1330-20-7	1,090 {NMED ResSoil09}	3.52	mg/kg	0.042	0.0084	<0.005	0.15	<0.005	--	<0.005	--	<0.005

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Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	CFW-04 6 04/29/93	CFW-04 7 04/29/93	CFW-04 8 04/29/93	CFW-04 9 04/29/93	CFW-04 10 04/29/93	CFW-04 11 04/29/93	CFW-04 12 04/29/93	CFW-04 13 04/29/93	CFW-04 14 04/29/93
Cymene	99-87-6	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Dibromomethane (Methylene Dibromide)	74-95-3	782 {NMED ResSoil09}	1.55	mg/kg	--	--	--	--	--	--	--	--	--
Dichloromethane (Methylene Chloride)	75-09-2	199 {NMED ResSoil09}	0.215	mg/kg	--	<0.01	--	<0.01	--	<0.01	--	<0.1	--
Ethanol	64-17-5	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Ethyl Methacrylate	97-63-2	7,040 {NMED ResSoil09}	13.4	mg/kg	--	--	--	--	--	--	--	--	--
Ethylbenzene	100-41-4	69.7 {NMED ResSoil09}	0.291	mg/kg	--	<0.005	--	<0.005	--	<0.005	--	0.85	--
Iodomethane	74-88-4	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Isopropyl Alcohol (Manufacturing-Strong Acid)	67-63-0	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	98-82-8	3,210 {NMED ResSoil09}	19.7	mg/kg	--	--	--	--	--	--	--	--	--
m,p-Xylene (m-Xylene)	108-38-3	8,290 {NMED ResSoil09}	24.5	mg/kg	--	--	--	--	--	--	--	--	--
Methyl N-Butyl Ketone	591-78-6	--	--	mg/kg	--	<0.05	--	<0.05	--	<0.05	--	<0.5	--
Methylbenzene (Toluene)	108-88-3	5,570 {NMED ResSoil09}	27.7	mg/kg	--	<0.005	--	<0.005	--	<0.005	--	<0.05	--
Methyl-tert-butyl ether	1634-04-4	862 {NMED ResSoil09}	0.459	mg/kg	--	--	--	--	--	--	--	--	--
n-Butylbenzene	104-51-8	--	--	mg/kg	--	--	--	--	--	--	--	--	--
n-Propylbenzene	103-65-1	--	--	mg/kg	--	--	--	--	--	--	--	--	--
o-Xylene	95-47-6	9,550 {NMED ResSoil09}	24.7	mg/kg	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	135-9-88	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	100-42-5	8,970 {NMED ResSoil09}	31.2	mg/kg	--	<0.005	--	<0.005	--	<0.005	--	<0.05	--
Tert-Butyl Alcohol	75-65-0	--	--	mg/kg	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	98-06-6	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Tetrachloroethene	127-18-4	6.99 {NMED ResSoil09}	0.00898	mg/kg	--	--	--	--	--	--	--	--	--
Trans-1,2-Dichloroethene	156-60-5	273 {NMED ResSoil09}	0.603	mg/kg	--	<0.005	--	<0.005	--	<0.005	--	<0.05	--
Trans-1,3-Dichloropropene	10061-02-6	--	--	mg/kg	--	<0.005	--	<0.005	--	<0.005	--	<0.05	--
Trans-1,4-Dichlorobutene	110-57-6	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Tribromomethane (Bromoform)	75-25-2	616 {NMED ResSoil09}	12.1	mg/kg	--	<0.005	--	<0.005	--	<0.005	--	<0.05	--
Trichloroethylene	79-01-6	45.7 {NMED ResSoil09}	0.106	mg/kg	--	--	--	--	--	--	--	--	--
Vinyl Acetate	108-05-4	3,650 {NMED ResSoil09}	1.53	mg/kg	--	<0.01	--	<0.01	--	<0.01	--	<0.1	--
Vinyl Chloride	75-01-4	0.865 {NMED ResSoil09}	0.00576	mg/kg	--	<0.01	--	<0.01	--	<0.01	--	<0.1	--
Xylenes (total xylenes)	1330-20-7	1,090 {NMED ResSoil09}	3.52	mg/kg	--	<0.005	--	0.0086	--	<0.005	--	0.11	--

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Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	CFW-04 15 04/29/93	CFW-04 16 04/29/93	CFW-04 17 04/29/93	CFW-04 18 04/29/93	CFW-04 19 04/29/93	CFW-04 20 04/29/93	CFW-04 21 04/29/93	CFW-04 22 04/29/93	CFW-04 23 04/29/93
Cymene	99-87-6	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Dibromomethane (Methylene Dibromide)	74-95-3	782 {NMED ResSoil09}	1.55	mg/kg	--	--	--	--	--	--	--	--	--
Dichloromethane (Methylene Chloride)	75-09-2	199 {NMED ResSoil09}	0.215	mg/kg	<0.01	--	<0.01	--	<0.01	--	<0.01 [<0.01]	--	<0.01
Ethanol	64-17-5	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Ethyl Methacrylate	97-63-2	7,040 {NMED ResSoil09}	13.4	mg/kg	--	--	--	--	--	--	--	--	--
Ethylbenzene	100-41-4	69.7 {NMED ResSoil09}	0.291	mg/kg	0.21	--	<0.005	--	<0.005	--	<0.005 [<0.005]	--	<0.005
Iodomethane	74-88-4	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Isopropyl Alcohol (Manufacturing-Strong Acid)	67-63-0	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	98-82-8	3,210 {NMED ResSoil09}	19.7	mg/kg	--	--	--	--	--	--	--	--	--
m,p-Xylene (m-Xylene)	108-38-3	8,290 {NMED ResSoil09}	24.5	mg/kg	--	--	--	--	--	--	--	--	--
Methyl N-Butyl Ketone	591-78-6	--	--	mg/kg	<0.05	--	<0.05	--	<0.05	--	<0.05 [<0.05]	--	<0.05
Methylbenzene (Toluene)	108-88-3	5,570 {NMED ResSoil09}	27.7	mg/kg	<0.005	--	<0.005	--	<0.005	--	<0.005 [<0.005]	--	<0.005
Methyl-tert-butyl ether	1634-04-4	862 {NMED ResSoil09}	0.459	mg/kg	--	--	--	--	--	--	--	--	--
n-Butylbenzene	104-51-8	--	--	mg/kg	--	--	--	--	--	--	--	--	--
n-Propylbenzene	103-65-1	--	--	mg/kg	--	--	--	--	--	--	--	--	--
o-Xylene	95-47-6	9,550 {NMED ResSoil09}	24.7	mg/kg	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	135-9-88	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	100-42-5	8,970 {NMED ResSoil09}	31.2	mg/kg	<0.005	--	<0.005	--	<0.005	--	<0.005 [<0.005]	--	<0.005
Tert-Butyl Alcohol	75-65-0	--	--	mg/kg	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	98-06-6	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Tetrachloroethene	127-18-4	6.99 {NMED ResSoil09}	0.00898	mg/kg	--	--	--	--	--	--	--	--	--
Trans-1,2-Dichloroethene	156-60-5	273 {NMED ResSoil09}	0.603	mg/kg	<0.005	--	<0.005	--	<0.005	--	<0.005 [<0.005]	--	<0.005
Trans-1,3-Dichloropropene	10061-02-6	--	--	mg/kg	<0.005	--	<0.005	--	<0.005	--	<0.005 [<0.005]	--	<0.005
Trans-1,4-Dichlorobutene	110-57-6	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Tribromomethane (Bromoform)	75-25-2	616 {NMED ResSoil09}	12.1	mg/kg	<0.005	--	<0.005	--	<0.005	--	<0.005 [<0.005]	--	<0.005
Trichloroethylene	79-01-6	45.7 {NMED ResSoil09}	0.106	mg/kg	--	--	--	--	--	--	--	--	--
Vinyl Acetate	108-05-4	3,650 {NMED ResSoil09}	1.53	mg/kg	<0.01	--	<0.01	--	<0.01	--	<0.01 [<0.01]	--	<0.01
Vinyl Chloride	75-01-4	0.865 {NMED ResSoil09}	0.00576	mg/kg	<0.01	--	<0.01	--	<0.01	--	<0.01 [<0.01]	--	<0.01
Xylenes (total xylenes)	1330-20-7	1,090 {NMED ResSoil09}	3.52	mg/kg	<0.005	--	<0.005	--	<0.005	--	<0.005 [<0.005]	--	<0.005

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Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	CFW-04 24 04/29/93	CFW-04 25 04/29/93	CFW-04 26 04/29/93	CFW-04 27 04/29/93	CFW-04 28 04/29/93	HLSF-SB-019 10 - 11 11/13/06	HLSF-SB-019 20 - 22 11/13/06	HLSF-SB-019 25 - 26 11/13/06
Cymene	99-87-6	--	--	mg/kg	--	--	--	--	--	<0.01	<0.01 [<0.01]	--
Dibromomethane (Methylene Dibromide)	74-95-3	782 {NMED ResSoil09}	1.55	mg/kg	--	--	--	--	--	<0.01	<0.01 [<0.01]	--
Dichloromethane (Methylene Chloride)	75-09-2	199 {NMED ResSoil09}	0.215	mg/kg	--	<0.01	--	<0.01	--	<0.05	<0.05 [<0.05]	--
Ethanol	64-17-5	--	--	mg/kg	--	--	--	--	--	--	--	--
Ethyl Methacrylate	97-63-2	7,040 {NMED ResSoil09}	13.4	mg/kg	--	--	--	--	--	--	--	--
Ethylbenzene	100-41-4	69.7 {NMED ResSoil09}	0.291	mg/kg	--	<0.005	--	<0.005	--	<0.01	<0.01 [<0.01]	--
Iodomethane	74-88-4	--	--	mg/kg	--	--	--	--	--	<0.05	<0.05 [<0.05]	--
Isopropyl Alcohol (Manufacturing-Strong Acid)	67-63-0	--	--	mg/kg	--	--	--	--	--	<0.2	<0.2 [<0.2]	--
Isopropylbenzene (Cumene)	98-82-8	3,210 {NMED ResSoil09}	19.7	mg/kg	--	--	--	--	--	<0.01	0.124 [0.212]	--
m,p-Xylene (m-Xylene)	108-38-3	8,290 {NMED ResSoil09}	24.5	mg/kg	--	--	--	--	--	<0.01	<0.01 [<0.01]	--
Methyl N-Butyl Ketone	591-78-6	--	--	mg/kg	--	<0.05	--	<0.05	--	<0.05	<0.05 [<0.05]	--
Methylbenzene (Toluene)	108-88-3	5,570 {NMED ResSoil09}	27.7	mg/kg	--	<0.005	--	<0.005	--	<0.01	<0.01 [<0.01]	--
Methyl-tert-butyl ether	1634-04-4	862 {NMED ResSoil09}	0.459	mg/kg	--	--	--	--	--	<0.01	<0.01 [<0.01]	--
n-Butylbenzene	104-51-8	--	--	mg/kg	--	--	--	--	--	<0.01	0.347 [0.75]	--
n-Propylbenzene	103-65-1	--	--	mg/kg	--	--	--	--	--	<0.01	0.141 [0.252]	--
o-Xylene	95-47-6	9,550 {NMED ResSoil09}	24.7	mg/kg	--	--	--	--	--	<0.01	<0.01 [<0.01]	--
sec-Butylbenzene	135-9-88	--	--	mg/kg	--	--	--	--	--	<0.01	0.316 [0.67]	--
Styrene (Monomer)	100-42-5	8,970 {NMED ResSoil09}	31.2	mg/kg	--	<0.005	--	<0.005	--	<0.01	<0.01 [<0.01]	--
Tert-Butyl Alcohol	75-65-0	--	--	mg/kg	--	--	--	--	--	<0.2	<0.2 [<0.2]	--
tert-Butylbenzene	98-06-6	--	--	mg/kg	--	--	--	--	--	<0.01	<0.01 [<0.01]	--
Tetrachloroethene	127-18-4	6.99 {NMED ResSoil09}	0.00898	mg/kg	--	--	--	--	--	<0.01	<0.01 [<0.01]	--
Trans-1,2-Dichloroethene	156-60-5	273 {NMED ResSoil09}	0.603	mg/kg	--	<0.005	--	<0.005	--	<0.01	<0.01 [<0.01]	--
Trans-1,3-Dichloropropene	10061-02-6	--	--	mg/kg	--	<0.005	--	<0.005	--	<0.01	<0.01 [<0.01]	--
Trans-1,4-Dichlorobutene	110-57-6	--	--	mg/kg	--	--	--	--	--	<0.1	<0.1 [<0.1]	--
Tribromomethane (Bromoform)	75-25-2	616 {NMED ResSoil09}	12.1	mg/kg	--	<0.005	--	<0.005	--	<0.01	<0.01 [<0.01]	--
Trichloroethylene	79-01-6	45.7 {NMED ResSoil09}	0.106	mg/kg	--	--	--	--	--	<0.01	<0.01 [<0.01]	--
Vinyl Acetate	108-05-4	3,650 {NMED ResSoil09}	1.53	mg/kg	--	<0.01	--	<0.01	--	--	--	--
Vinyl Chloride	75-01-4	0.865 {NMED ResSoil09}	0.00576	mg/kg	--	<0.01	--	<0.01	--	<0.01	<0.01 [<0.01]	--
Xylenes (total xylenes)	1330-20-7	1,090 {NMED ResSoil09}	3.52	mg/kg	--	<0.005	--	<0.005	--	--	--	--

Table 6-4
Summary of Soil Sample Analytical Results
SWMU 26

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	HLSF-SB-019 30 - 31 11/13/06	HLSF-SB-019 36 - 37 11/13/06	HLSF-SB-019 40 - 41 11/13/06	HLSF-SB-019 49 - 50 11/13/06
Metals								
Arsenic	7440-38-2	3.9 {NMED ResSoil09}	0.262	mg/kg	--	--	--	--
Barium	7440-39-3	15,600 {NMED ResSoil09}	6,030	mg/kg	--	--	--	--
Cadmium	7440-43-9	77.9 {NMED ResSoil09}	27.5	mg/kg	--	--	--	--
Chromium	7440-47-3	219 {NMED ResSoil09}	--	mg/kg	4.3	--	4.67	5.06
Chromium (Hexavalent)	Cr6	219 {NMED ResSoil09}	42.2	mg/kg	<5	--	<5	<5
Lead	7439-92-1	400 {NMED ResSoil09}	--	mg/kg	7.61	--	8.21	9.97
Mercury	7439-97-6	7.71 {NMED ResSoil09}	0.587	mg/kg	--	--	--	--
Selenium	7782-49-2	391 {NMED ResSoil09}	19.3	mg/kg	--	--	--	--
Silver	7440-22-4	391 {NMED ResSoil09}	31.3	mg/kg	--	--	--	--
Sodium	7440-23-5	--	--	mg/kg	920	--	766	990
Zinc	7440-66-6	23,500 {NMED ResSoil09}	13,600	mg/kg	14.5	--	14.2	14.1
Other								
Ethylene Glycol	107-21-1	120,000 {EPA ResSoil09}	--	mg/kg	<25	--	<25	<25
Fractional Organic Carbon	FOC	--	--	%	0.901	--	2.98	2.18
N-Butyl Alcohol (n-Butanol)	71-36-3	6,100 {EPA ResSoil09}	--	mg/kg	98	--	87	89
Nitrate + Nitrite	14797-55-8b	--	--	mg/kg	0.156	--	2	3.28
Phosphorus	7723-14-0	--	--	mg/kg	168	--	207	161
Semivolatile Organic Compounds								
1,2,4,5-Tetrachlorobenzene	95-94-3	18.3 {NMED ResSoil09}	0.429	mg/kg	<0.25	--	<0.25	<0.25
1,2,4-Trichlorobenzene	120-82-1	143 {NMED ResSoil09}	0.205	mg/kg	<0.05	<0.05	<0.05	<0.05
1,2-Benzphenanthracene (Chrysene)	218-01-9	621 {NMED ResSoil09}	652	mg/kg	<0.25	--	<0.25	<0.25
1,2-Dichlorobenzene	95-50-1	3,010 {NMED ResSoil09}	6.27	mg/kg	<0.01	<0.01	<0.01	<0.01
1,4-Dichlorobenzene	106-46-7	32.2 {NMED ResSoil09}	0.0714	mg/kg	<0.01	<0.01	<0.01	<0.01
1-Chloronaphthalene	90-13-1	--	--	mg/kg	<0.25	--	<0.25	<0.25
1-Methylnaphthalene	90-12-0	220 {EPA ResSoil09}	--	mg/kg	17.2	--	<0.25	<0.25
1-Naphthylamine	134-32-7	--	--	mg/kg	<0.25	--	<0.25	<0.25
2,4,5-Trichlorophenol	95-95-4	6,110 {NMED ResSoil09}	143	mg/kg	<0.25	--	<0.25	<0.25
2,4,6-Trichlorophenol	88-06-2	61 {NMED ResSoil09}	1.43	mg/kg	<0.25	--	<0.25	<0.25
2,4-Dichlorophenol	120-83-2	183 {NMED ResSoil09}	2.74	mg/kg	<0.25	--	<0.25	<0.25
2,4-Dimethylphenol	105-67-9	1,220 {NMED ResSoil09}	18.2	mg/kg	<0.25	--	<0.25	<0.25
2,4-Dinitrophenol	51-28-5	122 {NMED ResSoil09}	1.05	mg/kg	<0.25	--	<0.25	<0.25
2,4-Dinitrotoluene	121-14-2	15.7 {NMED ResSoil09}	0.0312	mg/kg	<0.25	--	<0.25	<0.25
2,6-Dichlorophenol	87-65-0	--	--	mg/kg	<0.25	--	<0.25	<0.25
2,6-Dinitrotoluene	606-20-2	61.2 {NMED ResSoil09}	0.533	mg/kg	<0.25	--	<0.25	<0.25
2-Butoxy Ethanol (Ethylene Glycol Mono-n-butyl ether)	111-76-2	31,000 {EPA ResSoil09}	--	mg/kg	<0.25	--	<0.25	<0.25
2-Chloronaphthalene (b-)	91-58-7	6,260 {NMED ResSoil09}	271	mg/kg	<0.25	--	<0.25	<0.25
2-Chlorophenol	95-57-8	391 {NMED ResSoil09}	3.06	mg/kg	<0.25	--	<0.25	<0.25
2-Methyl Pyridine	109-06-8	--	--	mg/kg	<0.25	--	<0.25	<0.25
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	6.11 {NMED ResSoil09}	0.0785	mg/kg	<0.25	--	<0.25	<0.25
2-Methylnaphthalene	91-57-6	310 {EPA ResSoil09}	--	mg/kg	8.25	--	<0.25	<0.25
2-Methylphenol (o-cresol)	95-48-7	3,100 {EPA ResSoil09}	--	mg/kg	<0.25	--	<0.25	<0.25
2-Naphthylamine	91-59-8	--	--	mg/kg	<0.25	--	<0.25	<0.25
2-Nitroaniline	88-74-4	--	--	mg/kg	<0.25	--	<0.25	<0.25
2-Nitrophenol	88-75-5	--	--	mg/kg	<0.25	--	<0.25	<0.25
3,3-Dichlorobenzidine	91-94-1	10.8 {NMED ResSoil09}	0.341	mg/kg	<0.25	--	<0.25	<0.25
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	5,120 {NMED ResSoil09}	3.69	mg/kg	<0.25	--	<0.25	<0.25
3-Methylchloranthrene	56-49-5	--	--	mg/kg	<0.25	--	<0.25	<0.25
3-Nitroaniline	99-09-2	--	--	mg/kg	<0.25	--	<0.25	<0.25
4-Aminobiphenyl	92-67-1	--	--	mg/kg	<0.25	--	<0.25	<0.25
4-Bromophenyl Phenyl Ether	101-55-3	--	--	mg/kg	<0.25	--	<0.25	<0.25
4-Chloro-3-Methylphenol	59-50-7	--	--	mg/kg	<0.25	--	<0.25	<0.25
4-Chlorophenyl Phenyl Ether	7005-72-3	--	--	mg/kg	<0.25	--	<0.25	<0.25
4-Dimethylaminoazobenzene	60-11-7	--	--	mg/kg	<0.25	--	<0.25	<0.25
4-Nitrophenol	100-02-7	--	--	mg/kg	<0.25	--	<0.25	<0.25

Table 6-4
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SWMU 26

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	HLSF-SB-019 30 - 31 11/13/06	HLSF-SB-019 36 - 37 11/13/06	HLSF-SB-019 40 - 41 11/13/06	HLSF-SB-019 49 - 50 11/13/06
p-Nitroaniline	100-01-6	240 {EPA ResSoil09}	--	mg/kg	<0.25	--	<0.25	<0.25
Propyzamide (Kerb)	23950-58-5	4,600 {EPA ResSoil09}	--	mg/kg	<0.25	--	<0.25	<0.25
Pyrene	129-00-0	1,720 {NMED ResSoil09}	2,240	mg/kg	0.682	--	<0.25	<0.25
Pyridine	110-86-1	78 {EPA ResSoil09}	--	mg/kg	<0.25	--	<0.25	<0.25
Total Petroleum Hydrocarbons								
Diesel Range Organics (>C10-C28)	C10C28	--	--	mg/kg	--	--	--	--
Diesel Range Organics	DRO	--	--	mg/kg	9,800	3,360	<50	<50
Gasoline Range Organics	GRO	--	--	mg/kg	102	106	<1	<1
Petroleum Hydrocarbons	PHC	--	--	mg/kg	--	--	--	--
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	630-20-6	29.2 {NMED ResSoil09}	0.0345	mg/kg	<0.01	<0.01	<0.01	<0.01
1,1,1-Trichloroethane	71-55-6	21,800 {NMED ResSoil09}	59.5	mg/kg	<0.01	<0.01	<0.01	<0.01
1,1,2,2-Tetrachloroethane	79-34-5	7.98 {NMED ResSoil09}	0.0045	mg/kg	<0.01	<0.01	<0.01	<0.01
1,1,2-Trichloroethane	79-00-5	17.2 {NMED ResSoil09}	0.0135	mg/kg	<0.01	<0.01	<0.01	<0.01
1,1-Dichloroethane	75-34-3	62.9 {NMED ResSoil09}	0.122	mg/kg	<0.01	<0.01	<0.01	<0.01
1,1-Dichloroethylene	75-35-4	618 {NMED ResSoil09}	2.38	mg/kg	<0.01	<0.01	<0.01	<0.01
1,1-Dichloropropene	563-58-6	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01
1,2,3-Trichlorobenzene	87-61-6	--	--	mg/kg	<0.05	<0.05	<0.05	<0.05
1,2,3-Trichloropropane	96-18-4	0.915 {NMED ResSoil09}	0.000713	mg/kg	<0.01	<0.01	<0.01	<0.01
1,2,4-Trimethylbenzene	95-63-6	62 {EPA ResSoil09}	--	mg/kg	1.62	<0.01	<0.01	<0.01
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	0.194 {NMED ResSoil09}	0.0000595	mg/kg	<0.05	<0.05	<0.05	<0.05
1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.574 {NMED ResSoil09}	0.000316	mg/kg	<0.01	<0.01	<0.01	<0.01
1,2-Dichlorobenzene/1,3-Dichlorobenzene	95-50-1b	--	--	mg/kg	--	--	--	--
1,2-Dichloroethane	107-06-2	7.74 {NMED ResSoil09}	0.0073	mg/kg	<0.01	<0.01	<0.01	<0.01
1,2-Dichloropropane	78-87-5	14.7 {NMED ResSoil09}	0.0223	mg/kg	<0.01	<0.01	<0.01	<0.01
1,3,5-Trimethylbenzene	108-67-8	780 {EPA ResSoil09}	--	mg/kg	0.736	<0.01	<0.01	<0.01
1,3-Dichloropropane	142-28-9	1,600 {EPA ResSoil09}	--	mg/kg	<0.01	<0.01	<0.01	<0.01
1,4 Dichloro-2-Butene	764-41-0	0.046 {NMED ResSoil09}	0.000163	mg/kg	--	--	--	--
1,4-Dioxane	123-91-1	442 {NMED ResSoil09}	0.214	mg/kg	<0.5	<0.5	<0.5	<0.5
2,2-Dichloropropane	594-20-7	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01
2-Butanone	78-93-3	39,600 {NMED ResSoil09}	25.3	mg/kg	<0.05	<0.05	<0.05	<0.05
2-Chloroethyl Vinyl Ether	110-75-8	--	--	mg/kg	<0.05	<0.05	<0.05	<0.05
2-Chlorotoluene	95-49-8	1,560 {NMED ResSoil09}	12.5	mg/kg	<0.01	<0.01	<0.01	<0.01
4-Chlorotoluene	106-43-4	5,500 {EPA ResSoil09}	--	mg/kg	<0.01	<0.01	<0.01	<0.01
4-Methyl-2-Pentanone(MIBK)	108-10-1	5,950 {NMED ResSoil09}	7.58	mg/kg	<0.05	<0.05	<0.05	<0.05
Acetone	67-64-1	67,500 {NMED ResSoil09}	76.9	mg/kg	<0.1	<0.1	<0.1	<0.1
Acrolein	107-02-8	0.646 {NMED ResSoil09}	0.000148	mg/kg	--	--	--	--
Acrylonitrile	107-13-1	5.97 {NMED ResSoil09}	0.00164	mg/kg	<0.01	<0.01	<0.01	<0.01
Benzene	71-43-2	15.5 {NMED ResSoil09}	0.037	mg/kg	<0.01	<0.01	<0.01	<0.01
Bromobenzene	108-86-1	300 {EPA ResSoil09}	--	mg/kg	<0.01	<0.01	<0.01	<0.01
Bromodichloromethane	75-27-4	5.25 {NMED ResSoil09}	0.00553	mg/kg	<0.01	<0.01	<0.01	<0.01
Bromomethane	74-83-9	22.3 {NMED ResSoil09}	0.0388	mg/kg	<0.05	<0.05	<0.05	<0.05
Carbon Disulfide	75-15-0	1,940 {NMED ResSoil09}	5.04	mg/kg	<0.01	<0.01	<0.01	<0.01
Carbon Tetrachloride	56-23-5	4.38 {NMED ResSoil09}	0.0148	mg/kg	<0.01	<0.01	<0.01	<0.01
CFC-11 (Trichlorofluoromethane)	75-69-4	2,010 {NMED ResSoil09}	18	mg/kg	<0.01	<0.01	<0.01	<0.01
CFC-12 (Dichlorodifluoromethane)	75-71-8	481 {NMED ResSoil09}	14.5	mg/kg	<0.01	<0.01	<0.01	<0.01
Chlorinated Fluorocarbon (Freon 113) (1,1,2-Trichloro-1,2,2-	76-13-1	104,000 {NMED ResSoil09}	3,560	mg/kg	--	--	--	--
Chlorobenzene	108-90-7	508 {NMED ResSoil09}	1.08	mg/kg	<0.01	<0.01	<0.01	<0.01
Chlorobromomethane	74-97-5	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01
Chlorodibromomethane (Dibromochloromethane)	124-48-1	11.9 {NMED ResSoil09}	0.00675	mg/kg	<0.01	<0.01	<0.01	<0.01
Chloroethane (Ethylchloride)	75-00-3	43,600 {NMED ResSoil09}	108	mg/kg	<0.01	<0.01	<0.01	<0.01
Chloroform	67-66-3	5.72 {NMED ResSoil09}	0.00936	mg/kg	<0.01	<0.01	<0.01	<0.01
Chloromethane	74-87-3	35.6 {NMED ResSoil09}	0.0836	mg/kg	<0.01	<0.01	<0.01	<0.01
cis-1,2-Dichloroethene	156-59-2	782 {NMED ResSoil09}	1.89	mg/kg	<0.01	<0.01	<0.01	<0.01
cis-1,3-Dichloropropene	10061-01-5	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01

(See Notes Page for Qualifiers and Acronyms)

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SWMU 26

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Cymene	99-87-6	--	--	mg/kg	0.362	<0.01	<0.01	<0.01
Dibromomethane (Methylene Dibromide)	74-95-3	782 {NMED ResSoil09}	1.55	mg/kg	<0.01	<0.01	<0.01	<0.01
Dichloromethane (Methylene Chloride)	75-09-2	199 {NMED ResSoil09}	0.215	mg/kg	<0.05	<0.05	<0.05	<0.05
Ethanol	64-17-5	--	--	mg/kg	--	--	--	--
Ethyl Methacrylate	97-63-2	7,040 {NMED ResSoil09}	13.4	mg/kg	--	--	--	--
Ethylbenzene	100-41-4	69.7 {NMED ResSoil09}	0.291	mg/kg	<0.01	<0.01	<0.01	<0.01
Iodomethane	74-88-4	--	--	mg/kg	<0.05	<0.05	<0.05	<0.05
Isopropyl Alcohol (Manufacturing-Strong Acid)	67-63-0	--	--	mg/kg	<0.2	<0.2	<0.2	<0.2
Isopropylbenzene (Cumene)	98-82-8	3,210 {NMED ResSoil09}	19.7	mg/kg	0.0302	0.0247	<0.01	<0.01
m,p-Xylene (m-Xylene)	108-38-3	8,290 {NMED ResSoil09}	24.5	mg/kg	0.0149	<0.01	<0.01	<0.01
Methyl N-Butyl Ketone	591-78-6	--	--	mg/kg	<0.05	<0.05	<0.05	<0.05
Methylbenzene (Toluene)	108-88-3	5,570 {NMED ResSoil09}	27.7	mg/kg	<0.01	<0.01	<0.01	<0.01
Methyl-tert-butyl ether	1634-04-4	862 {NMED ResSoil09}	0.459	mg/kg	<0.01	<0.01	<0.01	<0.01
n-Butylbenzene	104-51-8	--	--	mg/kg	0.367	0.763	<0.01	<0.01
n-Propylbenzene	103-65-1	--	--	mg/kg	0.0261	0.0373	<0.01	<0.01
o-Xylene	95-47-6	9,550 {NMED ResSoil09}	24.7	mg/kg	0.0311	<0.01	<0.01	<0.01
sec-Butylbenzene	135-9-88	--	--	mg/kg	0.554	0.466	<0.01	<0.01
Styrene (Monomer)	100-42-5	8,970 {NMED ResSoil09}	31.2	mg/kg	<0.01	<0.01	<0.01	<0.01
Tert-Butyl Alcohol	75-65-0	--	--	mg/kg	<0.2	<0.2	<0.2	<0.2
tert-Butylbenzene	98-06-6	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01
Tetrachloroethene	127-18-4	6.99 {NMED ResSoil09}	0.00898	mg/kg	<0.01	<0.01	<0.01	<0.01
Trans-1,2-Dichloroethene	156-60-5	273 {NMED ResSoil09}	0.603	mg/kg	<0.01	<0.01	<0.01	<0.01
Trans-1,3-Dichloropropene	10061-02-6	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01
Trans-1,4-Dichlorobutene	110-57-6	--	--	mg/kg	<0.1	<0.1	<0.1	<0.1
Tribromomethane (Bromoform)	75-25-2	616 {NMED ResSoil09}	12.1	mg/kg	<0.01	<0.01	<0.01	<0.01
Trichloroethylene	79-01-6	45.7 {NMED ResSoil09}	0.106	mg/kg	<0.01	<0.01	<0.01	<0.01
Vinyl Acetate	108-05-4	3,650 {NMED ResSoil09}	1.53	mg/kg	--	--	--	--
Vinyl Chloride	75-01-4	0.865 {NMED ResSoil09}	0.00576	mg/kg	<0.01	<0.01	<0.01	<0.01
Xylenes (total xylenes)	1330-20-7	1,090 {NMED ResSoil09}	3.52	mg/kg	--	--	--	--

Table 6-4
Summary of Soil Sample Analytical Results
SWMU 26
Notes

Lab Qualifiers	Definition
U	Constituent was not detected at the sample quantitation limit shown.
UJ	Estimated value below detection limit.
Analyte Abbreviation	Full Name
>C10-C28	Diesel Range Organics (>C10-C28) in the carbon 10 (C10) to carbon 28 (C28) range.
Acronym/Note	Description
All	All data reported before 2009 were collected by others and the data were provided to ARCADIS by White Sands Missile Range.
--	The sample was not tested for this constituent and/or no data were available.
U	Laboratory report flag indicating that the constituent was not detected at the sample quantitation limit shown.
1.7	Yellow highlight indicates that the reported result exceeds the published SSLs. If the result is preceded by "<", the constituent was not detected, but the reported sample quantitation limit exceeds the SSL.
<i>1.9</i>	Italics indicates that the reported result exceeds the NMED DAF 20 screening value. If the result is preceded by "<", constituent was not detected, but the reported sample quantitation limit exceeds the DAF 20 value.
[<0.005]	Brackets indicate that the result shown is from a duplicate field sample.
CAS	Chemical Abstract Service.
DAF 20	NMED Dilution Attenuation Factor from Table A-1, December 2009 Update to Technical Background Document for Development of Soil Screening Levels, Revision 5.0. NMED Hazardous Waste Bureau and Ground Water Quality Bureau, Voluntary Remediation Program. August 2009. DAF 20 indicates a Dilution Attenuation Factor of 20 was used.
EPA	United States Environmental Protection Agency.
EPA ResSoil09	USEPA Residential Screening Level from <i>USEPA Regional Screening Levels</i> (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm). 2009.
mg/kg	Milligram per kilogram.
NMED	New Mexico Environment Department.
NMED ResSoil09	NMED Residential Soil Screening Level from Table A-1, December 2009 Update to Technical Background Document for Development of Soil Screening Levels, Revision 5.0. NMED Hazardous Waste Bureau and Ground Water Quality Bureau, Voluntary Remediation Program. August 2009.
SSL	Soil Screening Level